

ABSTRACT

In a seal structure 30 of a fuel injection valve, including an annular seal member 31 which effects sealing in order that high-pressure fuel within a pressure-introducing chamber 21 may not escape onto a low-pressure side through a gap 28 that is defined between an injector housing 2 and a valve body 6 having a valve piston 5 slidably inserted therein, and which is disposed in the pressure-introducing chamber 21; a backup ring 32 having a rigidity is arranged between the gap 28 and the seal member 31, and a recess 33 into which the seal member 31 can enter by its elasticity is provided within the pressure-introducing chamber 21, so that especially when the seal member 31 has been pushed against the backup ring 32 by the high-pressure fuel, the seal member 31 is deformed to partly enter inside the recess 33 firmly, thereby to prevent the floatation of the seal member 31.